

Translation

PATENT COOPERATION TREATY

PCT

PCT Application  
PCT/CN2003/000952



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference  IEE030035PCT	FOR FURTHER ACTION  See Form PCT/IPEA/416	
International application No.  PCT/CN03/00952	International filing date (day/month/year)  12. Nov 2003 (12.11.03)	Priority date (day/month/year)
International Patent Classification (IPC) or national classification and IPC  H04Q 7/20		
<p><b>Applicant</b> UT STARCOM (CHINA) CO.LTD</p> <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of _____ sheets, as follows:  <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).  <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report  <input type="checkbox"/> Box No. II Priority  <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  <input type="checkbox"/> Box No. IV Lack of unity of invention  <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  <input type="checkbox"/> Box No. VI Certain documents cited  <input type="checkbox"/> Box No. VII Certain defects in the international application  <input type="checkbox"/> Box No. VIII Certain observations on the international application</p>		
Date of submission of the demand  30.May 2005 (30.05.2005)	Date of completion of this report  21.June 2005 (21.06.2005)	
Name and mailing address of the IPEA/CN  The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	<p>Authorized officer  Guo Qiong</p> <p>Telephone No. 86-10-62084545</p>	

## Box No. I Basis of the report

## 1. With regard to the language, this report is based on:

the international application in the language in which it was filed

a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:

international search (Rules 12.3(a) and 23.1(b))

publication of the international application (Rule 12.4(a))

international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished

the description:

pages \_\_\_\_\_ as originally filed/furnished

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

the claims:

pages \_\_\_\_\_ as originally filed/furnished

pages \_\_\_\_\_ as amended (together with any statement) under Article 19

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

the drawings:

pages \_\_\_\_\_ as originally filed/furnished

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

pages \_\_\_\_\_ received by this Authority on \_\_\_\_\_

a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3.  The amendments have resulted in the cancellation of:

the description, pages \_\_\_\_\_

the claims, Nos. \_\_\_\_\_

the drawings, sheets/figs \_\_\_\_\_

the sequence listing (*specify*): \_\_\_\_\_

any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4.  This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages \_\_\_\_\_

the claims, Nos. \_\_\_\_\_

the drawings, sheets/figs \_\_\_\_\_

the sequence listing (*specify*): \_\_\_\_\_

any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/CN03/00952

## Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement:

Novelty (N) Claims 1-20 YES

Claims \_\_\_\_\_ NO

Inventive step (IS) Claims 1-20 YES

Claims \_\_\_\_\_ NO

Industrial applicability (IA) Claims 1-20 YES

Claims \_\_\_\_\_ NO

## 2. Citations and explanations (Rule 70.7)

The solution to the problem in Claim 1, 14 of the present application is considered as involving an inventive step for the following reasons :

The concept of the packet combined schedule for DCH, according to Claim 1, 14 is not disclosed in or rendered obvious by the documents cited in this International Search Report .

Claims 2-13 are dependent on Claim 1 and they also meet the requirements of the PCT with respect to novelty and inventive step.

Claims 15-20 are dependent on Claim 14 and they also meet the requirements of the PCT with respect to novelty and inventive step.

Thus, the claimed invention according to claims 1-20 is novel (N), and is also considered to involve an inventive step (IS) and to have industrial applicability (IA).

## 专利合作条约

## PCT

专利性国际初步报告

(PCT 第II章)

(PCT 36 和细则 70)

REC'D 20 JUL 2005

WIPO

PCT

申请人或代理人的档案号 IEE030035PCT	关于后续行为 参见 PCT/IPEA/416 表	
国际申请号 PCT/CN03/00952	国际申请日(日/月/年) 12.11 月 2003 (12.11.03)	优先权日(日/月/年)
国际专利分类(IPC)或者国家分类和 IPC 两种分类 H04Q 7/20		
申请人 UT 斯达康(中国)有限公司 等		

1. 本报告是国际初步审查单位根据条约 35 做出的国际初步审查报告，并依照条约 36 将其传送给申请人。

2. 本报告共计 3 页，包括扉页。

3.  本报告还有附件，  
 a.  (传送给国际局和申请人)共计 \_\_\_\_\_ 页，包含  
 修改后的并且作为本报告基础的说明书修改页、权利要求书修改页和/或附图修改页，和/或对本国际初步审查单位所做出的更正页(见 PCT 细则 70.16 和行政规程 607)。  
 国际初步审查单位认为修改超出原始公开范围的取代页，参见第 1 栏第 4 项和补充栏。  
 b.  (传送给国际局)共计 (指明电子载体的类型和数量) \_\_\_\_\_，包含有在与序列表有关的补充栏中指明的电子形式的序列表和/或与其相关的表格。(行政规程 802)

4. 本报告包括关于下列各项的内容：  
 I  报告的基础  
 II  优先权  
 III  不做出关于新颖性、创造性和工业实用性的意见  
 IV  缺乏发明的单一性  
 V  按条约 35(2)关于新颖性、创造性和工业实用性的理由；支持这种意见的引证和解释  
 VI  引用的某些文件  
 VII  国际申请中的某些缺陷  
 VIII  对国际申请的某些意见

提交要求书的日期 30.5 月 2005 (30.05.2005)	完成本报告的日期 21.6 月 2005 (21.06.2005)
中华人民共和国国家知识产权局 IPEA/CN 中国北京市海淀区西土城路 6 号(100088)	受权官员 
传真号：(86-10) 62019451	电话号码 (86-10) 62084545

## I. 报告的基础

## 1. 关于语言, 本报告将基于:

申请提出时使用的语言。

该申请的\_\_\_\_\_语言译文, 提供该种语言的译文是
 

- 为了国际检索而提交的译文所使用的语言 (细则 12.3 和 23.1 (b) )。
- 为了国际申请的公布而提交的译文所使用的语言 (细则 12.4)。
- 为了国际初步审查而提交的译文所使用的语言 (细则 55.2 和/或 55.3)。

## 2. 关于国际申请中各个部分, 本报告基于 (申请人为答复受理局根据条约 14 所发通知而提交的替换页, 在本报告中视为“原始提交”的文件, 不作为本报告的附件)

原始提交的国际申请。

说明书, 第\_\_\_\_\_页 原始提交的,  
第\_\_\_\_\_页 初审单位收到的,  
第\_\_\_\_\_页 初审单位收到的。

权利要求, 第\_\_\_\_\_页, 原始提交的,  
第\_\_\_\_\_页, 按条约 19 条修改的(附有说明),  
第\_\_\_\_\_页 初审单位收到的,  
第\_\_\_\_\_页 初审单位收到的。

附图, 第\_\_\_\_\_页, 原始提交的。  
第\_\_\_\_\_页\*, 初审单位收到的,  
第\_\_\_\_\_页\*, 初审单位收到的。

序列表和/或相关表格——参见与序列表有关的补充栏。

## 3. 修改导致以下内容的删除:

说明书, 第\_\_\_\_\_页

权利要求, 第\_\_\_\_\_项

附图, 第\_\_\_\_\_页, 图\_\_\_\_\_

序列表 (具体说明) \_\_\_\_\_

与序列表相关的表格 (具体说明) \_\_\_\_\_

4.  由于本报告附件的(某些)修改, 如下所列, 被认为超出了原始公开的范围, 如补充栏所示, 因此本报告是按照没有修改的情况做出的(细则 70.2(c))。

说明书, 第\_\_\_\_\_页

权利要求, 第\_\_\_\_\_项

附图, 第\_\_\_\_\_页, 图\_\_\_\_\_

序列表 (具体说明) \_\_\_\_\_

与序列表相关的表格 (具体说明) \_\_\_\_\_

\*如果第 4 项适用, 一些或全部的文件页可能做出“被取代”标记。

## 专利性国际初步报告

国际申请号

PCT/CN03/00952

## V. 按条约 35 (2) 关于新颖性、创造性或工业实用性的意见；支持这种理由的引证和解释

## 1. 意见

新颖性(N) 权利要求 1-20 是

权利要求 否

创造性(IS) 权利要求 1-20 是

权利要求 否

工业实用性(IA) 权利要求 1-20 是

权利要求 否

## 2. 引证和解释 (细则 70.7)

独立权利要求 1、14 分别涉及一种在 UMTS 通信系统下行链路中对用于分组业务的专用传输信道进行分组联合调度的方法及其装置，然而，该检索报告中所引用的对比文件都没有公开权利要求 1、14 所要求保护的技术方案，因此，权利要求 1、14 中公开的技术方案符合 PCT 有关新颖性和创造性规定。

因此，从属于独立权利要求 1 的权利要求 2—13，从属于独立权利要求 14 的权利要求 15—20 都符合 PCT 有关新颖性和创造性规定。

权利要求 1—20 满足 PCT 有关实用性的规定。